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**Notice of Allowability**

Application No.

10/615,000

Applicant(s)

MEGGIOLAN, MARIO

Examiner

Frantz F. Jules

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3617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/25/2005.
2. ☒ The allowed claim(s) is/are 36-39, 41-44, 46, 49 and 55.
3. ☒ The drawings filed on 08 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

Handwritten signature or mark.

### REASON FOR ALLOWANCE

1. Jones, Daniels et al and Shumaker are cited to show a wheel comprising a rim with a plurality of fabric strips and plies comprising a fibre fabric incorporated in a matrix material each having a longitudinal axis and generally oriented orthogonally to the central hub axis. Schloss discloses a rotary buff comprising a plurality of radially extending fabric plies presenting adjacent peripheral buffing edges. However, none of the references of record suggests a bicycle wheel hub, wherein at least one of the plurality of strips has a plurality of extensions along a lateral edge thereof in the manner defined in the instant claim 36 and in combination with other limitations of the claims. Also, none of the references of record suggests a bicycle wheel hub having a hollow tubular body, wherein at least one of the plurality of strips has a combination of a plurality of recesses and a plurality of extensions along a lateral edge thereof in the manner defined in the instant claim 37 and 55 and in combination with other limitations of the claims. Moreover, none of the references of record suggests a bicycle wheel hub having a hollow tubular body, wherein the plurality of fabric plies are located on multiple sides of the hollow tubular body to form a complete layer of the tubular body in the manner defined in the instant claim 41 and in combination with other limitations of the claims. In addition, none of the references of record suggests a bicycle wheel hub having a hollow tubular body comprising a plurality of fabric plies at the edges of the tubular body, wherein the plurality of fabric plies are provided in pairs on diametrically opposite sides of the hollow tubular body in the manner defined in the instant claim 42 and in combination with other limitations of the claim. Also, none of the references of

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record suggests a bicycle wheel hub, wherein the pairs of the plurality of fabric plies are angularly spaced from each other when the pairs are viewed along the central hub axis in the manner defined in the instant claim 43 and in combination with other limitations of the claims. Moreover, none of the references of record suggests a bicycle wheel hub, wherein the pairs of the plurality of fabric plies are spaced by approximately ninety degrees when the pairs are viewed along the central hub axis in the manner defined in the instant claim 44. Furthermore, none of the references of record suggests a bicycle wheel hub, wherein the central portion has a first cross sectional thickness, the first and second ends having a second cross sectional thickness greater than the first cross sectional; thickness, the intermediate portion having an increasing cross sectional thickness as one moves from the central portion outwardly in the manner defined in the instant claim 46 and in combination with other limitations of the claims. In addition, none of the references of record suggests a bicycle wheel hub, wherein the hollow tubular body is asymmetrical about a central plane oriented orthogonally to the central hub axis in the manner defined in the instant claim 49 and in combination with other limitations of the claims. Therefore, claims 38-39, depending therefrom, are considered to be allowable.

### ***Conclusion***

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frantz F. Jules whose telephone number is (703) 272-6681. The examiner can normally be reached on Monday-Thursday and every other Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph S. Morano can be reached on (703) 272-6684. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Frantz F. Jules  
Primary Examiner  
Art Unit 3617

FFJ

July 14, 2005

**FRANTZ F. JULES**  
**PRIMARY EXAMINER**

A handwritten signature in black ink, appearing to read 'Frantz', with a stylized flourish extending to the right.